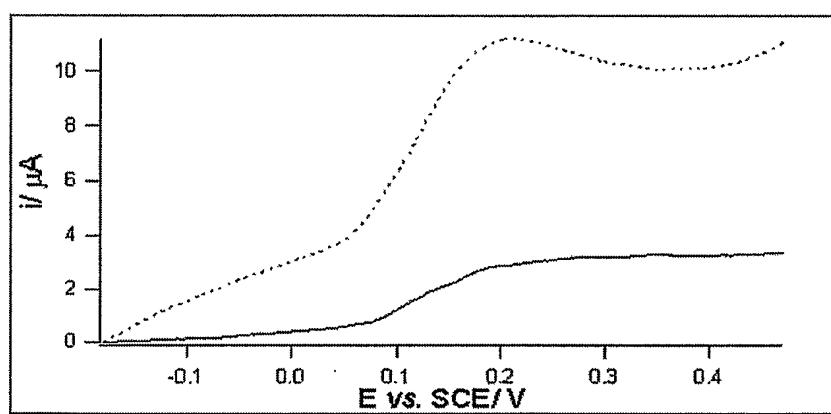
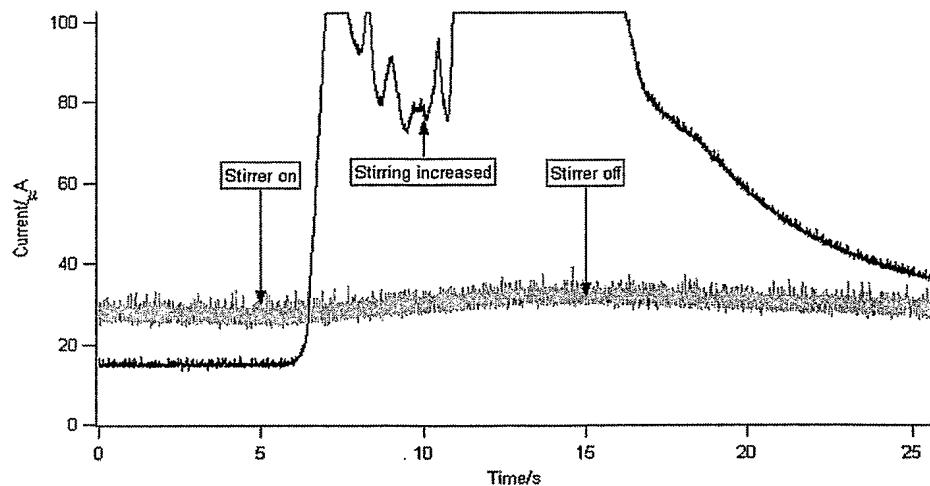


**Figure 1**

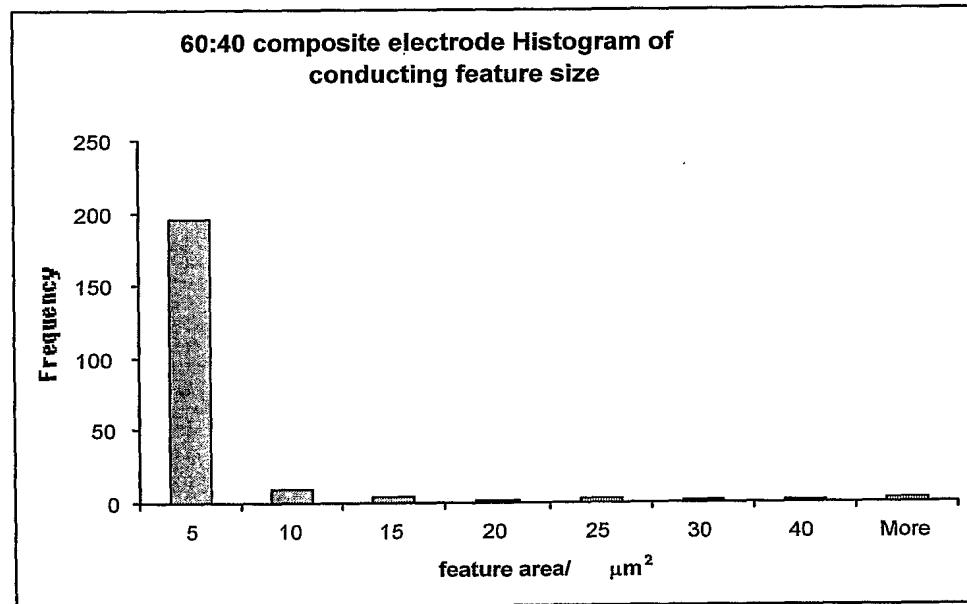
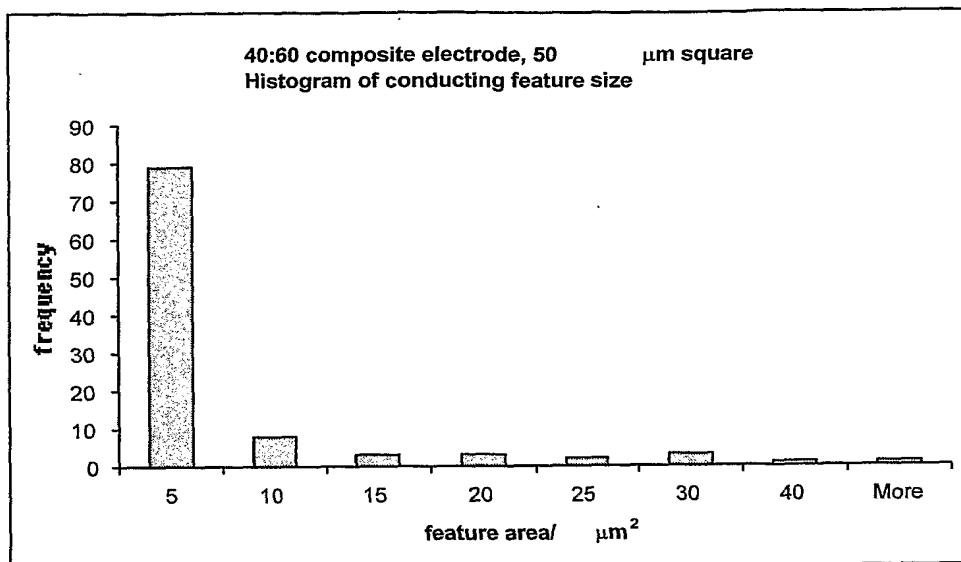


**Figure 2**

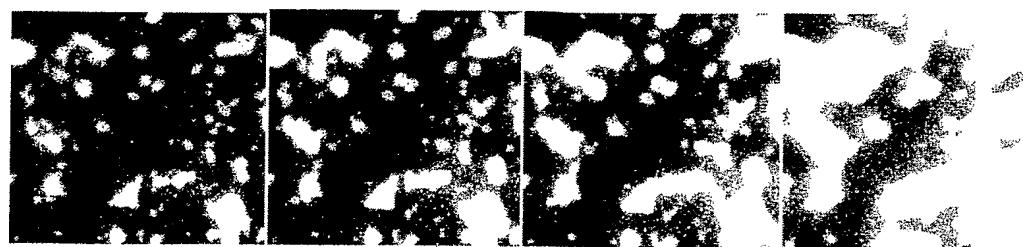
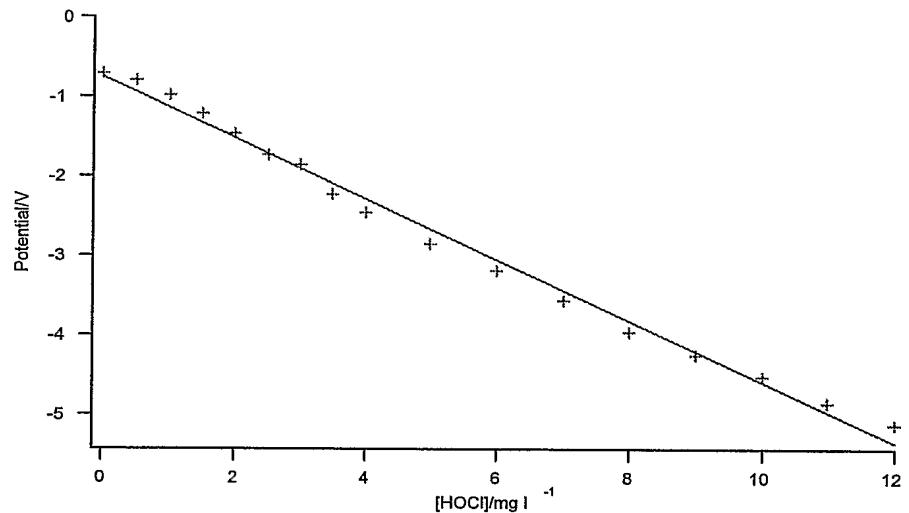
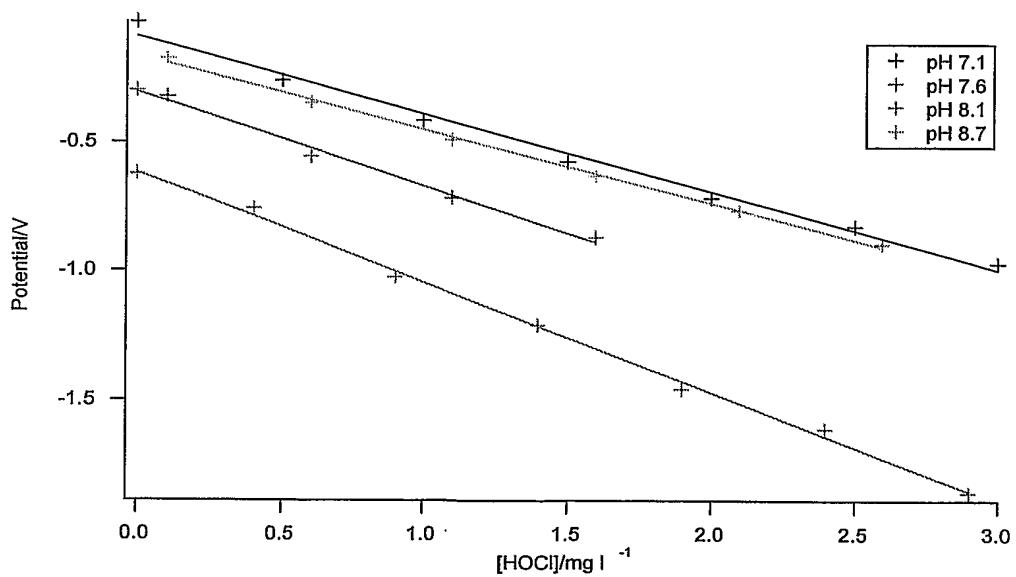
**Figure 3**

Composition	Area fraction found by C-AFM	Predicted slope of Levich plot/ A (rad $s^{-1/2}$ )	Experimental slope of Levich plot/ A (rad $s^{-1/2}$ )	Relative area fraction comparabl e boundary layer
Bulk conductor	1	$1.61 \times 10^{-5}$	$1.61 \times 10^{-5}$	-
40% (w/w)	0.25	$4.02 \times 10^{-6}$	$1.28 \times 10^{-6}$	0.318
50% (w/w)	0.33	$5.31 \times 10^{-6}$	$1.30 \times 10^{-6}$	0.244
60% (w/w)	0.63	$1.01 \times 10^{-5}$	$8.20 \times 10^{-6}$	0.81

**Figure 4**



**Figure 5**

**Figure 6****Figure 7****Figure 8**

**Figure 9**